AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1.   (currently amended) A system for detecting physiological stress in a subject, the system comprising:

a processor adapted to receive an image of the subject from a camera, adapted to identify a first spectral ~~characteristic~~ reflection of the subject when the subject is unstressed and adapted to identify a second spectral ~~characteristic~~ reflection of the subject when stressed[[,]] ; and[[,]]

the processor further adapted to compare an area of the image with the first and the second spectral ~~characteristics~~ reflections and adapted to indicate whether the subject is experiencing physiological stress based on which of the spectral ~~characteristics~~ reflections the image more closely coincides [[with]].

2.   (currently amended) The system according to claim 1, the second ~~characteristic~~ spectral reflection further comprising being coincident with one of a spectrum of sub-dermal blood flow and a spectrum of dermal hydration, whereby the second ~~characteristic~~ spectral reflection indicates a blush.

3.   (currently amended) The system according to claim 1, ~~wherein~~ the first and the second spectral ~~characteristic~~ reflections ~~differ~~ differing at a frequency selected

from the group consisting of about 542 nanometers, about 560 nanometers, about 576 nanometers, about 1400 nanometers, and about 1700 nanometers, and whereby the difference indicates a blush.

4.   (currently amended) The system according to claim 1, the processor being coupled to the camera.

5.   (currently amended) The system according to claim 1, wherein the processor [[is]] being coupled to an alarm and activates activating the alarm if the area of the image more closely coincides with the second spectral characteristic reflection.

6.   (currently amended) The system according to claim 5, wherein the processor [[is]] being coupled to a time source, a date source, and a location source to enable the processor to associate the time, date, and location with the image.

7.   (currently amended) The system according to claim 5, the wherein the system [[is]] being installed in one of an airport, an interrogation room, and a store.

8.   (currently amended) The system according to claim 1, wherein the processor identifies identifying the first spectral characteristic reflection from the image to detect an unstressed condition of the subject in real time.

9. (currently amended) The system according to claim 8, ~~wherein~~ the processor [[is]] being adapted to identify the first spectral ~~characteristic~~ reflection from a back of the hand of the subject.

10. (currently amended) The system according to claim 1, ~~wherein~~ the processor ~~identifies~~ identifying the second spectral ~~characteristic~~ reflection from the image to detect a stressed condition of the subject in real time.

11. (currently amended) The system according to claim 10, ~~wherein~~ the processor ~~identifies~~ identifying the second spectral ~~characteristic~~ reflection from a palm of the hand of the subject.

12. (currently amended) A method for detecting physiological stress of a subject, the method comprising:

observing an image of the subject with a system, the subject to include a first spectral ~~characteristic~~ reflection when the subject is unstressed and a second spectral ~~characteristic~~ reflection when the subject is stressed;

comparing an area of the image to the first spectral ~~characteristic~~ reflection with the system;

comparing the area of the image to the second spectral ~~characteristic~~ reflection with the system; and

determining with the system <u>with</u> which of the spectral ~~characteristic~~ <u>reflections</u> the area of the image more closely coincides to detect if the subject is experiencing stress.

13.   (currently amended) The method according to claim 12, further comprising selecting the second spectral ~~characteristic~~ <u>reflection</u> from the group consisting of a spectrum of sub-dermal blood flow and a spectrum of dermal hydration and wherein the second spectral ~~characteristic~~ <u>reflection</u> indicates a blush.

14.   (currently amended) The method according to claim 12, ~~wherein the comparisons~~ further ~~comprise~~ <u>comprising</u> comparing the image with the first and the second spectral ~~characteristics~~ <u>reflections</u> near a frequency selected from the group consisting of about 542 nanometers, about 560 nanometers, about 576 nanometers, about 1400 nanometers, and about 1700 nanometers to determine a difference indicative of a blush of the subject.

15.   (original)   The method according to claim 12, further comprising coupling a camera to the system whereby the camera inputs the image to the system.

16.   (currently amended) The method according to claim 12, further comprising activating an alarm if the area of the image more closely coincides with the second spectral ~~characteristic~~ <u>reflection</u> than the first spectral ~~characteristic~~ <u>reflection</u>.

17.   (original)   The method according to claim 16, further comprising associating a time, a date, and a location with the image.

18.   (original)   The method according to claim 16, further comprising installing the system in one of an airport, an interrogation room, and a store.

19.   (currently amended)   The method according to claim 12, ~~the method~~ further comprising identifying the first spectral ~~characteristic~~ reflection from the image in real time.

20.   (currently amended)   The method according to claim 19, ~~the method~~ further comprising identifying the first spectral characteristic from a back of a hand of the subject.

21.   (currently amended) The method according to claim 12, further comprising identifying the second spectral ~~characteristic~~ reflection from the image in real time.

22.   (currently amended) The method according to claim 21, further comprising identifying the second spectral ~~characteristic~~ reflection from a palm of a hand of the subject.

23.   (currently amended) A ~~system~~ method for detecting physiological stress in a subject, comprising:

~~a processor adapted to receive~~ <u>obtaining</u> an image of a subject<u>;</u>

~~and adapted to identify~~ <u>identifying</u> a first and a second area of skin of the subject, the first area to be unlikely to blush, the second area to be likely to blush<u>,~~and~~</u> <u>;</u>

~~the processor further adapted to compare~~ <u>comparing</u> the first and the second areas of skin<u>;</u> and

~~adapted to indicate~~ <u>indicating</u> whether the subject is experiencing physiological stress based on an attenuation at a ~~pre-selected~~ <u>pre-selected</u> frequency of a <u>light</u> spectrum ~~between~~ <u>reflected from</u> the first and the second areas of skin.

24.   (currently amended) The ~~system~~ <u>method</u> according to claim 23, ~~wherein~~ the attenuation [[is]] <u>being</u> representative of a change in one of a spectrum of sub-dermal blood flow and a spectrum of dermal hydration<u>,</u> and ~~wherein~~ the attenuation ~~indicates~~ <u>indicating</u> a blush.

25.   (currently amended) The ~~system~~ <u>method</u> according to claim 23, ~~wherein~~ the attenuation ~~occurs~~ <u>occurring</u> near a frequency selected from the group consisting of about 542 nanometers, about 560 nanometers, about 576 nanometers, about 1400 nanometers, and about 1700 nanometers~~, whereby the difference indicates a blush~~.

26.   (amended)   The ~~system~~ <u>method</u> according to claim 23, ~~wherein the processor activates~~ <u>further comprising:</u>

<u>activating</u> an alarm if the comparison indicates a blush.

27.   (currently amended) The ~~system~~ method according to claim 26, ~~wherein~~ ~~the processor associates~~ further comprising:

associating a time, a date, and a location of the subject with the image.

28.   (cancelled)